	Exhibit P-	40, Budget Item Justific	cation Sheet			Date:		February 2004		
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	109) / Communications and Electronics Equ	uipment (4)				NIG	HT VISION EQUIPM	MENT		
		Code:	Other Related Prog	ram Elements:						
020621	1M Divisions (Marine)	A								
	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty										
Gross Cost	171.2	24.4	30.0	26.1	27.7	37.4	12.9	19.2	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	171.2	24.4	30.0	26.1	27.7	37.4	12.9	19.2	Cont	Cont
Initial Spares	1.1	0.0	2.6	1.6	1.1	1.1	0.2	0.2	Cont	Cont
Total Proc Cost	172.3	24.4	32.7	27.7	28.7	38.4	13.0	19.4	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

THERMAL WEAPON SIGHT - The Thermal Weapon Sight (TWS) is a lightweight, low power, high performance, forward looking infrared (FLIR) device. TWS will augment existing crew-served night vision sights. TWS operates by discerning the temperature variation between targets and their background. The TWS is completely passive and although designed for target detection and engagement with Marine Corps crew-served weapons, it can be used for all weather surveillance. "Funds were reduced in this line for emergent UNS (Urgent Needs Statement) and COW (Cost of War) efforts".

NIGHT VISION MODIFICATION - The Night Vision Modification will provide enhancements and improvements to current systems including advancements in night vision optics, directed energy devices, thermals, and fusion systems. "**Funds were reduced in this line for emergent UNS and COW efforts"**.

AEROS (AN/GVS-5 Replacement) - Azimuth and Eye-safe Rangefinding Observation Set (AEROS) will provide the primary means for front line Marine forces at the platoon, company and battalion level to obtain accurate target location. It is a small, light weight, highly portable, night observation capable, optical system containing an integral eye-safe laser rangefinder and azimuth and inclination sensors. AEROS will be capable of interfacing with the Precision-Lightweight Global Positioning Receiver (PLGR) and capable of exporting targeting data to the Target Location, Designation, and Hands-off System (TLDHS) Target Hand-Off System (THS).

PVS 14 - (\$721K from TWS) The AN/PVS-14 Monocular Night Vision Device can be used as a hand-held pocket scope, mounted to a head or helmet or mounted to a weapon. 1st Marine Division requested an additional 200 systems to prepare for Operation Enduring Freedon. This item continues to provide a critical capability and is planned to remain in the inventory through the year 2013.

SOPHIE (Long Range Thermal Finder) - (\$1.5M from NV Mod) The Long Range Thermal Imager provides Reconnaisance Team of Force Reconnaissance companies the ability to detect a man-size target at up to 6000 meters and to recognize a man-size target at up to 2500 meters. 1st Marine Division requested 31 systems to support operational requirements in support of Operation Enduring Freedom.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement			nunications and Elec	tronics	P-1 Line Item Nor NIGHT	menclature: VISION EQUIPME	:NT	Weapon System	Type:	Date:	0001
	ın		,	Equipment (4)			_	1					ruary 2004
Weapon Svstem Cost Elements	ID CD	TotalCost	Qty	UnitCost	TotalCost	FY 03 Qty	UnitCost	TotalCost	FY 04 Qty	UnitCost	TotalCost	FY 05 Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/PAS-13 Thermal Weapon Sight Production & Engineering Fee (P&E) Eng & Program Spr/Logistics Subtotal	А				16817 250 326 17393	1000	16817	18506 250 155 18911	1031	17950	13301 250 373 13924		17950
Improved Night/Day Observation and Control Device (INOD) Medium Program Spt/Logistics Subtotal	А				1998 1998	VAR	VAR						
Night Vision Modifications Line Night Vision Thermal System Modifications Night Vision I2 Systems Modifications Night Vision Optics Modifications PVS 17 Long Range Thermal Imager (SOPHIE) Subtotal	A A A A				691 1500 2100 4291	VAR VAR VAR 312 31	VAR VAR 4808 67742	160	1500 VAR VAR VAR	1000 VAR VAR VAR	900 325	VAR VAR	VAR VAR VAR
AEROS (AN/GVS-5 Replacement) Program Spt/Logistics/Spares/Testing Subtotal											4631 329 4960		38592
PVS 14 (COW) Subtotal					721 721	200	3605						
PVS 14 Subtotal								3700 3700	1025	3610			
PVS 17 Subtotal								2100 2100	422	4976			
TOTAL Active Reserve					24403 24403			30006 17187 12819			26100 20301 5799		

Ex	hibit P-5a, Budget Procuremen	t History	and Planning					1	February 2	2004
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			,
Procurement, Marine Corps (1109) / Communi	ications and Electronics Equipment (4)					NI	GHT VISION EQUI	PMENT		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Issu Date
Fiscal Years		and Type			Delivery	Eacn	\$		Avaii	
AN/PAS-13 Thermal Weapon Sight (TWS)										
FY03	Raytheon, Dallas, TX	C/FFP	PM NV/RSTA, Ft Belvoir, VA	Dec-02	Oct-03	1000	16817	Yes	N/A	Sep-97
FY04	Raytheon, Dallas, TX	C/FFP	PM NV/RSTA, Ft Belvoir, VA	Oct-03	Aug-04	1031	17950	Yes	N/A	Sep-97
FY05	TBD	C/FFP	PM NV/RSTA, Ft Belvoir, VA	Oct-04	Aug-05	741	17950	Yes	N/A	Sep-97
AEROS (AN/GVS-5 REPLACEMENT)										
FY05	Ashbury Intl Group (AIG), Sterling, VA	C/FFP	MCSC, Quantico, VA	Nov-04	Mar-05	120	38592	No	N/A	Oct-02
PVS-14 Monocular (COW)										
FY03	ITT, Roanoke, VA	C/FFP	CECOM, Ft Belvoir, VA	Apr-03	May-03	200	3605	Yes	N/A	N/A
PVS 17 Minature Night Sights	Northrop Grummon, Dallas, TX	C/FFP	NSWC, Crane, IN	Feb-04	Aug-04	422	4970	Yes	N/A	Dec-00
PVS 14 Night Vision Monocular	ITT via Army Primary Inventory Control Activity	C/FFP	CECOM, Ft Belvoir, VA	Dec-04	Jun-04	1025	3607	Yes	N/A	N/A

The AEROS base contract is for the production of Operational Test (OT) test articles and training. The contract will also include options for production units. The contract production options will be exercised on the "Award Date" indicated above. The "RFP Issue Date" is for the AEROS contract (base plus production options).

NOTE: Unit costs have been reduced from the PresBud 04 submit based on recent market quotes and a revised government estimate.

Exhibit P-20, Requirements	Study	Approriation/Budg	get Activity/Serial No:				Date:		
2, 24		Proc	urement, Marine Corps (1	109) / Communications	and Electronics Equi	pment (4)		February 2004	
P-1 Line Item Nomenclature (Include DODIC for Am	munition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
NIGHT VISION EQUIPMENT (AN	PAS-13 THERMAL WEAPON	SIGHT)		1	1			10 MONTHS	
Line Descriptions:			FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Buy Summary			1000	1031	741				
Jnit Cost			16.82	17.95	17.95				
Total Cost			16817.0	18506.0	13301.0				
Asset Dynamics									
Beginning Asset Position			186	1743	2915	3898			
Deliveries from: Prior	Year Funding		1557		<u> </u>				
Deliveries from: FY 2	003 Funding			1000					
Deliveries from: FY 2	004 Funding			172	859				
Deliveries from: FY 2					124	617			
Deliveries from Subsequent Years F	unds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions				22.45					
End of Year Asset Position			1743		3898		+		
nventory Objective or Current Authoriz			4515	4515	4515				
Inventory Objective		ual Training		Dispo		Vehicles Eligible		Aircraft:	
4515	Expenditures		Usage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for thru		thru		thru				PAA:	
Combat Loads: FY X	XXX	FY XXXX		FY XXXX		FY 2004		TAI	
WRM Rqmt: FY X	XXX	FY XXXX		FY XXXX		FY 2005		Attrition Res	
Pipeline: FY X	xxx	FY XXXX		FY XXXX		Augment		BAI	
ner: FY XXXX		FY XXXX		FY XXXX				Inactive Inv Storage	

Exhibit P-20, Requ	irements Study	v		et Activity/Serial No:				Date:		
· •	_	=	Procui			ns and Electronics Equi	. ,		February 2004	
P-1 Line Item Nomenclature (Includ		Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:	4	
Line Descriptions:	AEROS			FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Buy Summary				F1 2003	F1 2004	120	519	670	F1 2006	F1 2009
Jnit Cost						38.6	37.5	37.0		
Total Cost						4631.0	17601.0	18391.0		
Asset Dynamics Beginning Asset Position	n						70	421	1024	13
Deliveries from:		Funding					70	421	1024	13
Deliveries from:	FY 2003	Funding			1					
Deliveries from:	FY 2003	Funding								
Deliveries from:						70	50			
	eliveries from Subsequent Years Funds					70	301	603	285	
Other Gains	ther Gains						001	000	200	
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/	Attritions									
End of Year Asset Posi	tion					70	421	1024	1309	13
nventory Objective or Curi	rent Authorized Allo	wance								
Inventory Objective		ual Training	Other th	nan Training	Disr	osals	Vehicles Eligible		Aircraft:	
1309		penditures	ι	Jsage		es/Other)	for Replacement		TOAI	
Assets Rqd for	thru		thru	T	thru	ĺ			PAA:	
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 2004		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 2005		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augmont		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX		Augment		Inactive Inv	
Total:	1.70000		, , , , , , ,		, , , , , ,				Storage	

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AN/PAS-13 Thermal Weapon Sight	1	FY03	MC	1000	0	1000															Α										1000
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	2	FY05	MC	741	0	741																									741
ANI/DAG 40 H																															
AN/PAS-13 Heavy Thermal Wpn Sight	1	FY03	Α	285	0	285																Α									285
AN/PAS-13 Med Thermal Wpn Sight	1	FY03	Α	1979	0	1979																Α									1979
AN/PAS-13 Light Thermal Wpn Sight	2	FY04	Α	2499	0	2499																									2499
AN/PAS-13 Med Thermal Wpn Sight	2	FY04	Α	967	0	967																									967
AN/PAS-13 Heavy Thermal Wpn Sight	2	FY04	Α	70	0	70																									70
AN/PAS-13 Light Thermal Wpn Sight	2	FY05	Α	1599	0	1599																									1599
AN/PAS-13 Med Thermal Wpn Sight	2	FY05	Α	700	0	700																									700
AN/PAS-13 Heavy Thermal Wpn Sight	2	FY05	Α	1411	0	1411																									1411
AEROS (GVS-5 REPLACEMENT)	3	FY05	MC	120	0	120																									120
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	1	FY04	MC	1031	0	1031	Α										86	86	86	86	86	86	86	86	86	86	86	85			
	2	FY05	MC	741	0	741													Α										62	62	617
AN/PAS-13 Heavy Thermal Wpn Sight	1	FY03	Α	285	0	285	95	95	95																						
AN/PAS-13 Med Thermal Wpn Sight	1	FY03	Α	1979	0	1979				72	72	102	165	165	233	234	234	234	234	234											
AN/PAS-13 Light Thermal Wpn Sight	2	FY04	Α	2499	0	2499	Α										209	209	209	209	209	209	209	209	209	209	209	200			
AN/PAS-13 Med Thermal Wpn Sight	2	FY04	Α	967	0	967	Α										81	81	81	81	81	81	81	81	81	81	81	76			
AN/PAS-13 Heavy Thermal Wpn Sight	2	FY04	Α	70	0	70	Α										35	35													
AN/PAS-13 Light Thermal Wpn Sight	2	FY05	Α	1599	0	1599													Α										134	134	1331
AN/PAS-13 Med Thermal Wpn Sight	2	FY05	Α	700	0	700													Α										59	59	582
AN/PAS-13 Heavy Thermal Wpn Sight	2	FY05	Α	1411	0	1411													Α										118	118	1175
AEROS (GVS-5 REPLACEMENT)	3	FY05	MC	120	0	120														Α				10	10	10	10	10	10	10	50
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AN/PAS-13 Heavy Thermal Wpn Sight	1	FY03	Α	285	285																										
AN/PAS-13 Med Thermal Wpn Sight	1	FY03	Α	1979	1979																										
AN/PAS-13 Light Thermal Wpn Sight	2	FY04	Α	2499	2499																										
AN/PAS-13 Med Thermal Wpn Sight	2	FY04	Α	967	967																										
AN/PAS-13 Heavy Thermal Wpn Sight	2	FY04	Α	70	70																										
AN/PAS-13 Light Thermal Wpn Sight	2	FY05	Α	1599	268	1331	134	134	134	134	134	134	134	134	134	125															
AN/PAS-13 Med Thermal Wpn Sight	2	FY05	Α	700	118	582	59	59	59	59	59	59	59	59	59	51															
AN/PAS-13 Heavy Thermal Wpn Sight	2	FY05	Α	1411	236	1175	118	118	118	118	118	118	118	118	118	113															
AEROS (GVS-5 REPLACEMENT)	3	FY05	МС	120	70	50	10	10	10	10	10																				_
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